

736 HIGHWAY AND SIGN LIGHTING

Highway lighting materials including luminaries, lamps, fixtures, and all other components listed in the specifications should be inspected to make sure that they are in compliance with the Project Plans and specifications. The Inspector should be fully involved in the installation of the poles and any adjustment of the luminaries in order to assure proper initial installation.

In the event the construction involves an existing system, the system must remain fully functional at night for the duration of construction unless otherwise stated in the Project Plans.

Installation

Generally there are three types of high pressure sodium (HPS) luminaries used for roadway lighting. These are horizontally mounted, vertically mounted, and high-mast mounted.

The following guidelines should be followed by the Inspectors monitoring this work:

- Check all luminaries delivered to job site from the approved materials list.
- Check lamp socket position for the correct light distribution as specified for any horizontally mounted luminaries.
- When vertically mounted luminaries are used, check for correct tilt angle setting as specified on the Project Plans?
- Are the up-light shields installed?
- Is the lamp wattage checked?
- Were sign lighting luminaries checked for internal fusing, (internal fuses must be removed and located in an adjacent pull box) and correct fuse amperage rating?
- Were external up-light shields installed on sign lighting luminaries?
- Were Certificates of Compliance furnished for the shield?
- Were horizontally mounted luminaries leveled to the horizontal, and are all mounting bolts tightened?
- Were vertically mounted luminaries plumbed to the vertical before the tilt angle was set, and are all mounting bolts tightened?
- Were all lighting luminaries energized for the 100-hour test?